

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011286**Date Inspected:** 01-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li huajie**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

**OUTSIDE SHOP**

SMAW welding of weld joint 4G-031 located on PCMK OBE9D of 9BE welder is identified as 067572.ZPMC QC is identified as Mr.Wang wei ming . The welding variables recorded by QC appeared to Comply with the WPS-B-P-2214-TC-U4b-FCM-1.

SMAW welding of weld joint 4F-026 located on PCMK OBE9D of 9BE welder is identified as 067572.ZPMC QC is identified as Mr.Wang wei ming . The welding variables recorded by QC appeared to Comply with the WPS-B-P-2114-FCM-1.

SMAW welding of weld joint 3F-015 located on PCMK OBW9G of 9CW welder is identified as 045221.ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2113-FCM-1.

FCAW welding of weld joint 2G-236 located on PCMK SSD14A-PP077 of 9CW welder is identified as 050316. ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-TC-U4b-F.

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## WELDING INSPECTION REPORT

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Ongoing heat straightening of Deck panel diaphragm is identified as SSD13-PP59-004/005 of segment 7EW, temperature and dimension checked with ZPMC QC Mr. Wang xian pin and recorded by QC appeared to comply with the HSR1(B)-8034.

BAY#14

FCAW welding of weld joint 2G-004 located on PCMK CA090 of Lift 12 welder is identified as 044774.ZPMC QC is identified as Mr. Zhong guo hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-TC-U4b-F.

BLAST SHOP

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 8BW External side panel, bottom panel surfaces from the panel point 65 to 67 after grit blasting. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer

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